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| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | | "Ask CAS" for self-help around the clock |
| NEWS | 3 | FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS | 4 | APR 04 | STN AnaVist \$500 visualization usage credit offered |
| NEWS | 5 | MAY 10 | CA/CAPLUS enhanced with 1900-1906 U.S. patent records |
| NEWS | 6 | MAY 11 | KOREAPAT updates resume |
| NEWS | 7 | MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS | 8 | MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2 |
| NEWS | 9 | MAY 30 | The F-Term thesaurus is now available in CA/CAPLUS |
| NEWS | 10 | JUN 02 | The first reclassification of IPC codes now complete in INPADOC |
| NEWS | 11 | JUN 26 | TULSA/TULSA2 reloaded and enhanced with new search and and display fields |
| NEWS | 12 | JUN 28 | Price changes in full-text patent databases EPFULL and PCTFULL |
| NEWS | 13 | JUL 11 | CHEMSAFE reloaded and enhanced |
| NEWS | 14 | JUL 14 | FSTA enhanced with Japanese patents |
| NEWS | 15 | JUL 19 | Coverage of Research Disclosure reinstated in DWPI |
| NEWS | 16 | AUG 09 | INSPEC enhanced with 1898-1968 archive |
| NEWS EXPRESS | | JUNE 30 | CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006. |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | | | X.25 communication option no longer available |

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* * * * * STN Columbus * * * * *

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24/08/2006

Page 2

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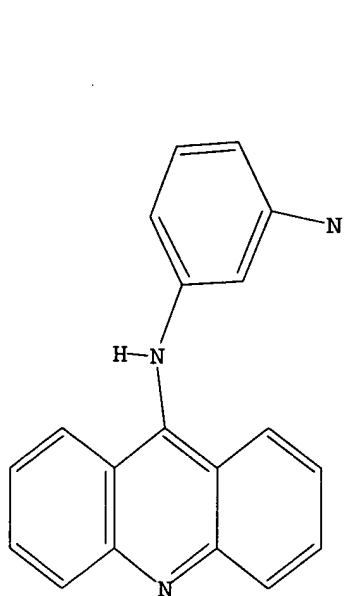
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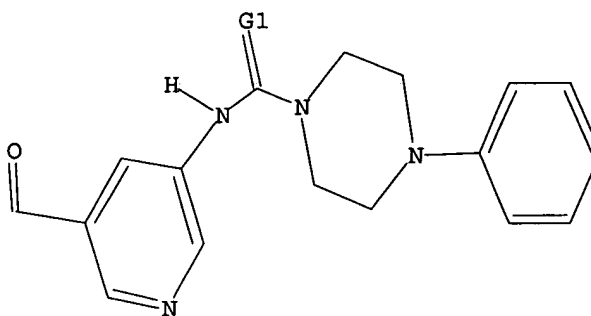
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G1 O,S



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100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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FULL SEARCH INITIATED 12:35:53 FILE 'REGISTRY'

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100.0% PROCESSED 30 ITERATIONS

29 ANSWERS

SEARCH TIME: 00.00.01

L3 29 SEA SSS FUL L1

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=> s l3

L4 3 L3

=> d abs bib hitstr 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein Y = 0 (i.e., absent) or -[COCH(CH₃)NH]-; X = O or S; R₁, R₂, R₃, R₄, R₅ = independently H, halo, NO₂, NH₂, OH and derivs., alkyl, alkyl(hydroxy/amino); R', R'' = independently alkyl or alkoxy; Z = alkyl, alkoxy or alkylamino; and their pharmaceutically acceptable salts] were prepared as antitumor agents. For example, (S)-isomeric compound II was prepared, in 52.3% yield, by condensation of 2-ethyl-5-[[4-(3,5-dimethylphenyl)piperazin-1-ylcarbonyl]amino]-6-methoxynicotinic acid dissolved in pyridine with (S)-N-[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]-2-aminopropanamide (see PCT/KR99/00787) in the presence of DCC/DMAP for 24 h at room temperature I have comparable or superior antitumor activities against human solid cancer cell lines compared to cisplatin, and equal or superior activities compared to mitomycin C against P388 mouse cancer cells. For example, II showed ED₅₀ = 0.12 µg/mL against A549 (human non-small lung cell) vs. cisplatin (0.81 µg/mL), and was approx. 3.7-fold more potent than mitomycin C. The LD₅₀ of II was 80 mg/kg i.v., vs. 9.7 mg/kg i.p. for cisplatin.

AN 2003:719452 CAPLUS

DN 139:245913

TI Preparation of 9-aminoacridines as antitumor agents

IN Cho, Eui-hwan; Chung, Sun-gan; Lee, Sun-hwan; Kwon, Ho-seok; Kang, Dong-wook

PA Samjin Pharmaceutical Co., Ltd., S. Korea

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

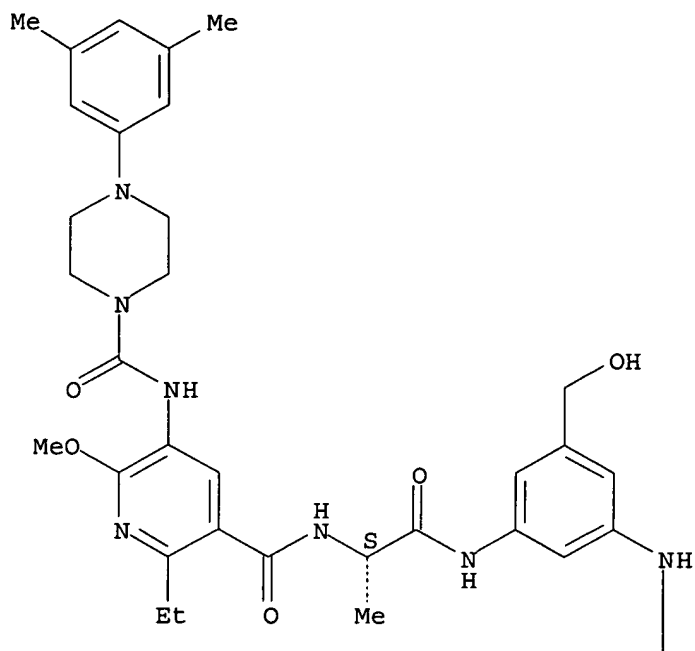
LA English

FAN.CNT 1

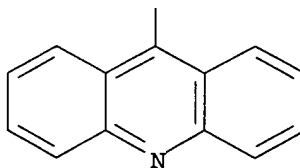
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| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
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| | AU 2002235040 | A1 | 20030916 | AU 2002-235040 | 20020307 |
| | EP 1487799 | A1 | 20041222 | EP 2002-701809 | 20020307 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | CN 1622939 | A | 20050601 | CN 2002-828490 | 20020307 |
| | JP 2005523296 | T2 | 20050804 | JP 2003-572959 | 20020307 |
| | NZ 535791 | A | 20051125 | NZ 2002-535791 | 20020307 |
| | RU 2269524 | C2 | 20060210 | RU 2004-129745 | 20020307 |
| | US 2005222167 | A1 | 20051006 | US 2004-507153 | 20040907 |
| PRAI | WO 2002-KR392 | W | 20020307 | | |
| OS | MARPAT 139:245913 | | | | |
| IT | 537048-98-9P, (S)-4-(3,5-Dimethylphenyl)piperazine-1-carboxylic acid N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-66-0P, (S)-4-(3,5-Dimethoxyphenyl)piperazine-1-carboxylic acid N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide | | | | |
| | RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (antitumor agent; preparation of aminoacridines as antitumor agents via condensation) | | | | |
| RN | 537048-98-9 CAPLUS | | | | |
| CN | 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)-(9CI) (CA INDEX NAME) | | | | |

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

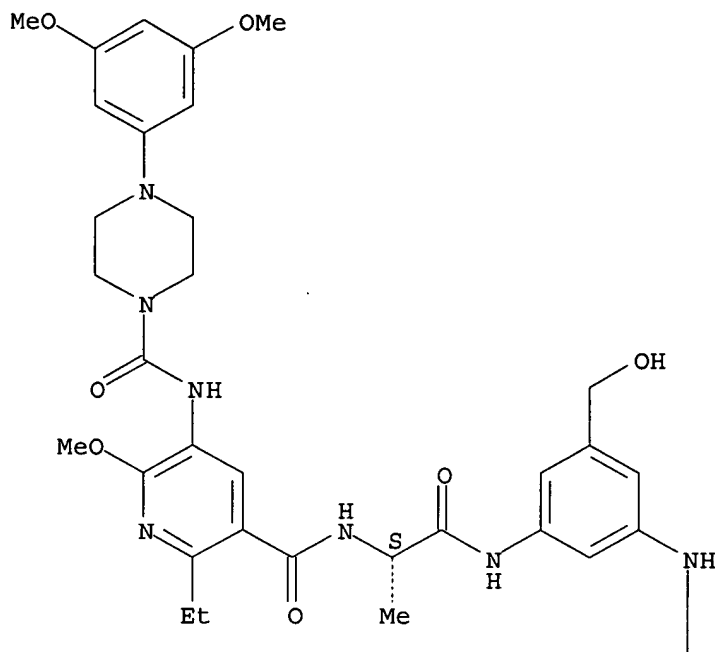


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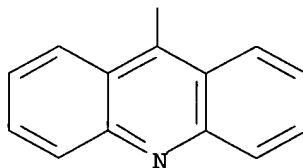
CN 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



IT 600153-64-8P, (S)-4-Phenylpiperazine-1-carboxylic acid
 N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-68-2P,
 (S)-4-(3,5-Difluorophenyl)piperazine-1-carboxylic acid
 N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-70-6P,
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 N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-72-8P,
 (S)-4-(3-Fluorophenyl)piperazine-1-carboxylic acid N-[5-[[1-[[3-(acridin-9-ylamino)-5-hydroxymethylphenyl]carbamoyl]ethyl]carbamoyl]-6-ethyl-2-methoxypyridin-3-yl]amide 600153-74-0P, (S)-4-(3-
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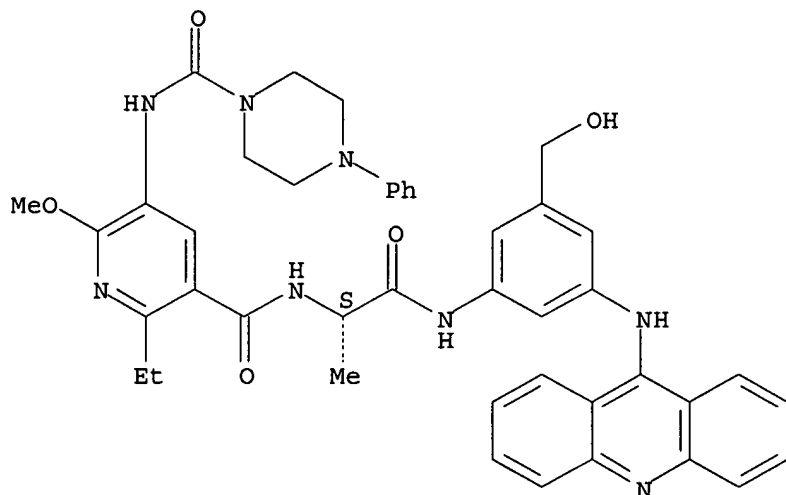
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antitumor agent; preparation of aminoacridines as antitumor agents via

condensation)
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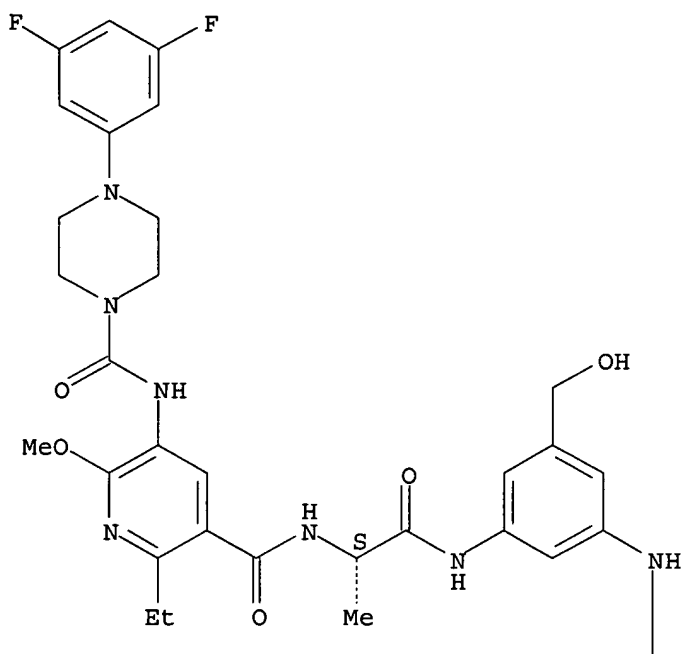
Absolute stereochemistry.



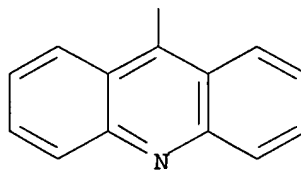
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

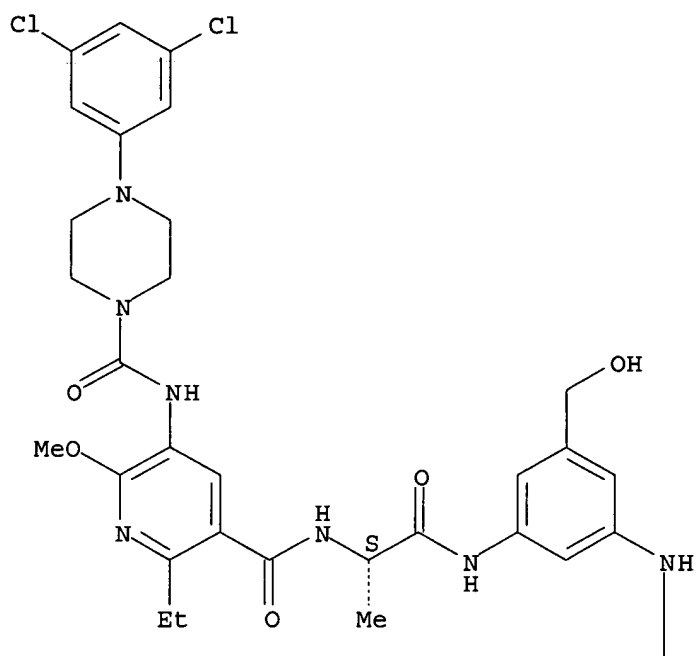


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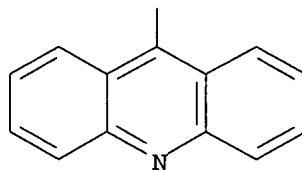
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Absolute stereochemistry.

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PAGE 2-A

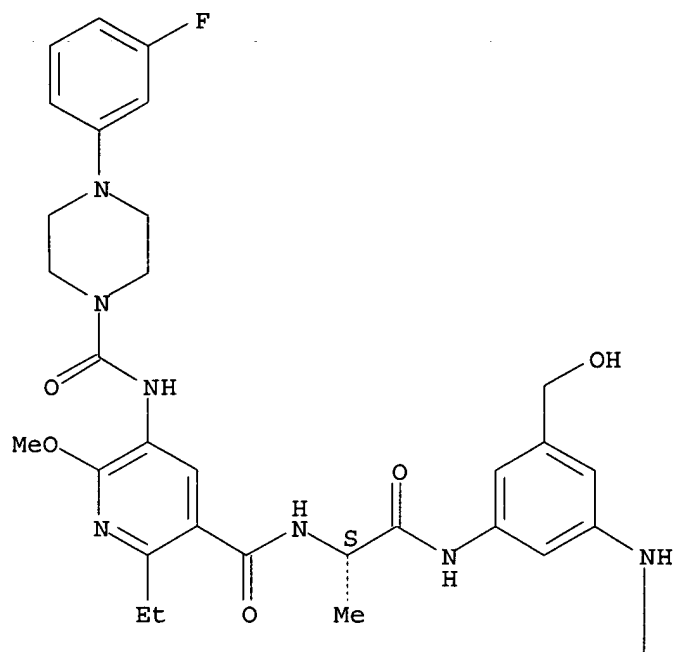


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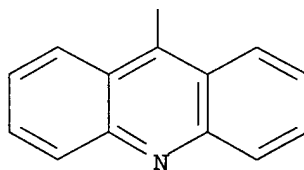
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Absolute stereochemistry.

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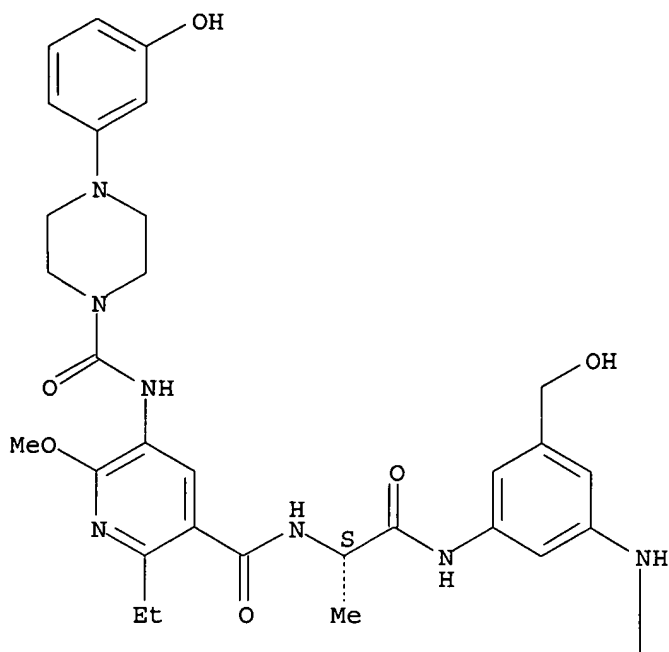
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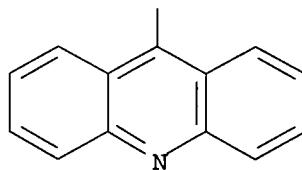
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

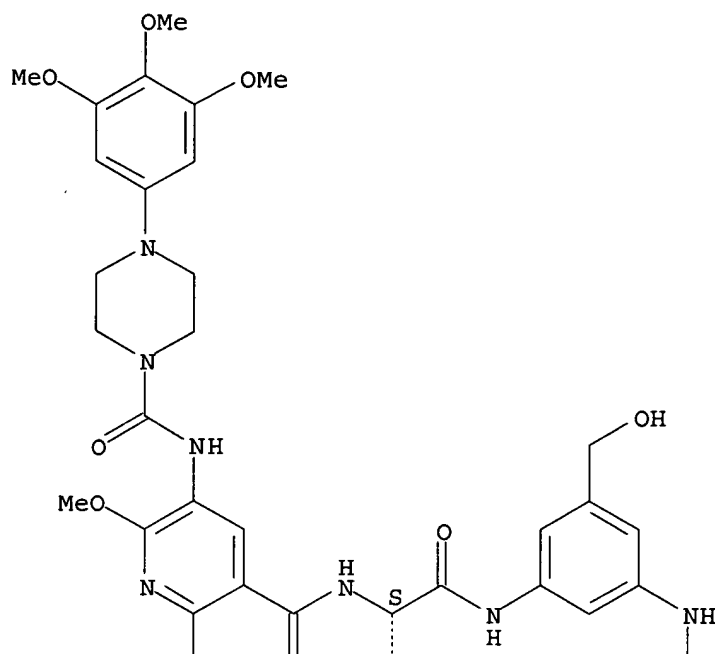


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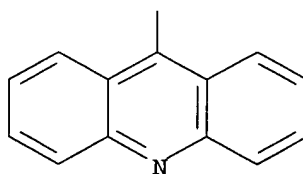
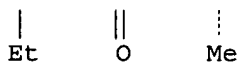
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

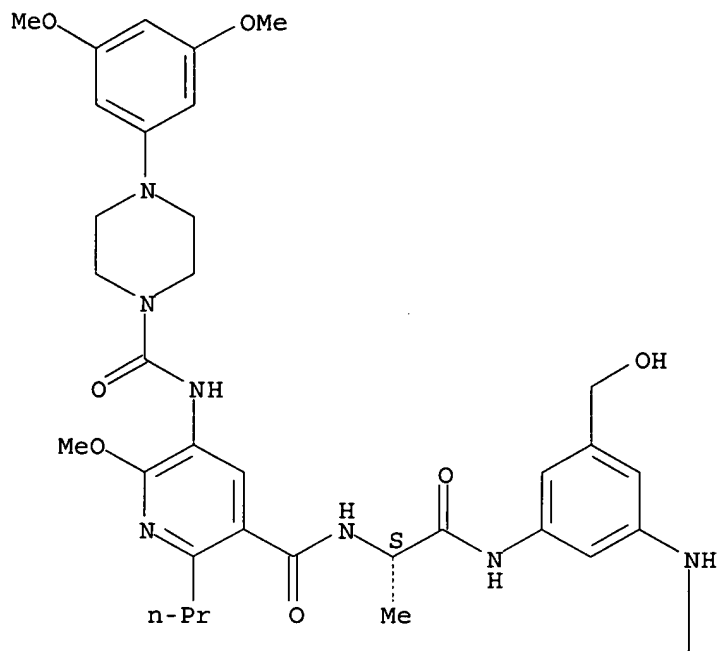


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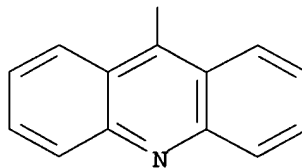
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Absolute stereochemistry.

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PAGE 2-A

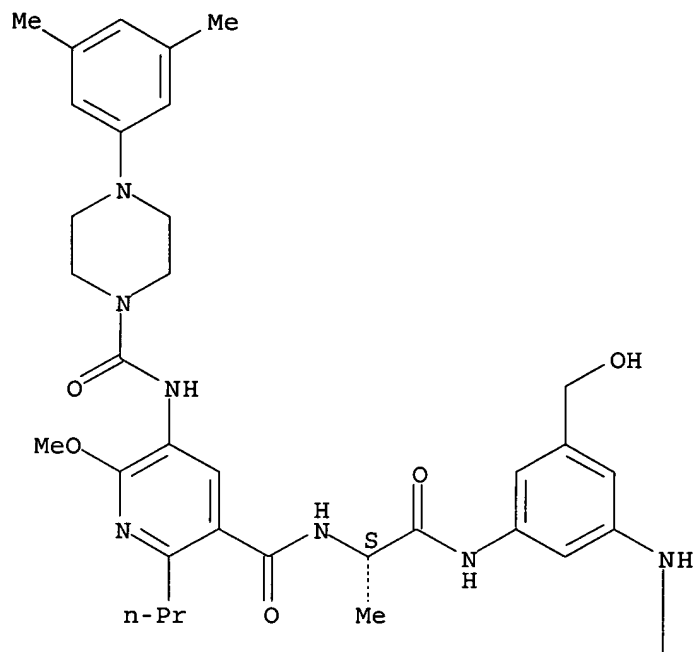


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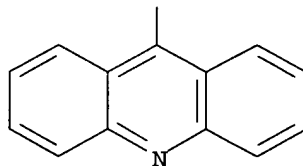
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Absolute stereochemistry.

PAGE 1-A



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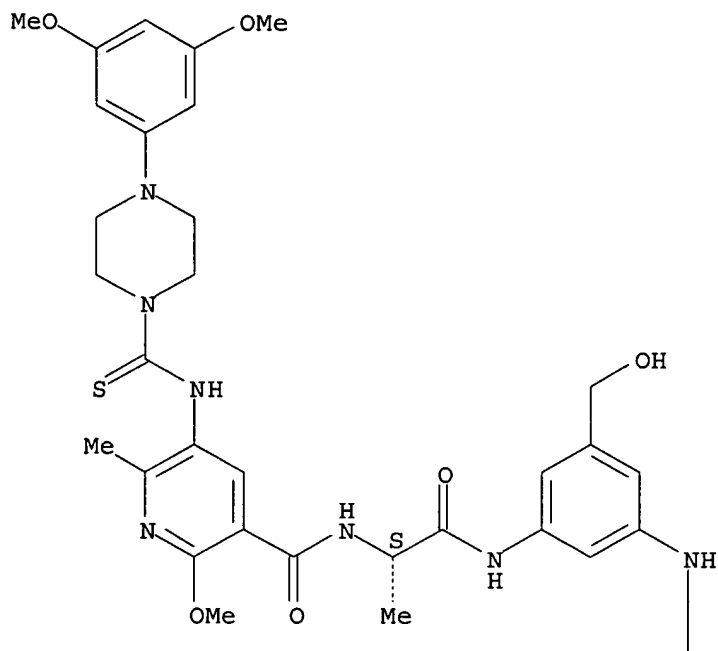


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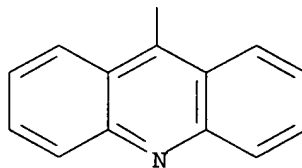
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Absolute stereochemistry.

PAGE 1-A



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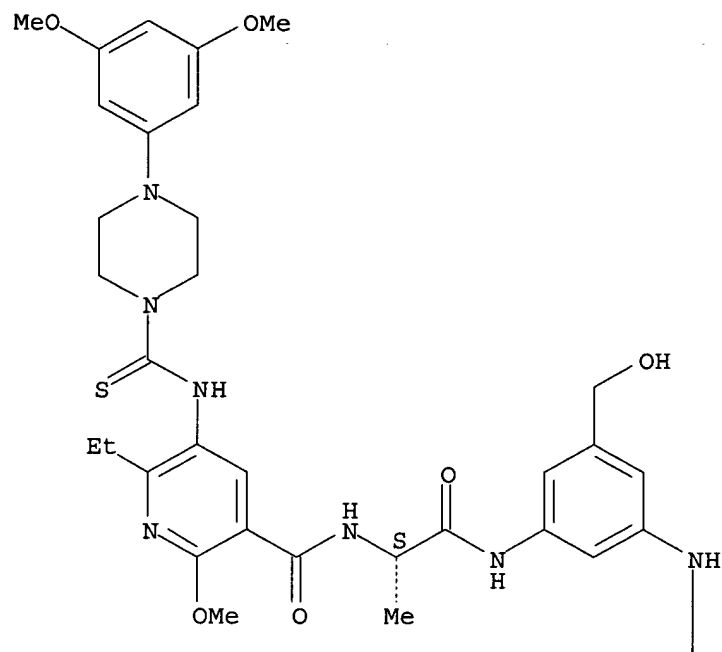


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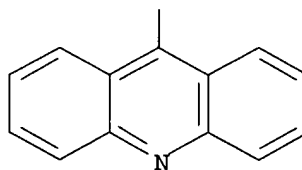
CN 3-Pyridinecarboxamide, N-[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]-5-[[[4-(3,5-dimethoxyphenyl)-1-piperazinyl]thioxomethyl]amino]-6-ethyl-2-methoxy-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

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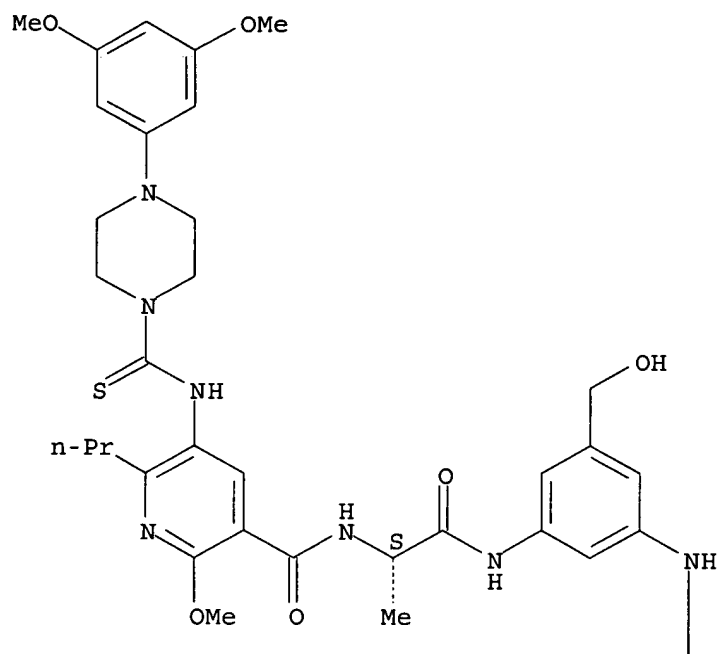
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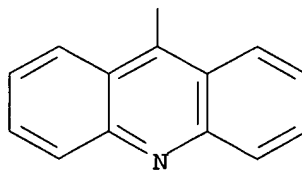
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 CN 3-Pyridinecarboxamide, N-[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]-5-[[[4-(3,5-dimethoxyphenyl)-1-piperazinyl]thioxomethyl]amino]-2-methoxy-6-propyl-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

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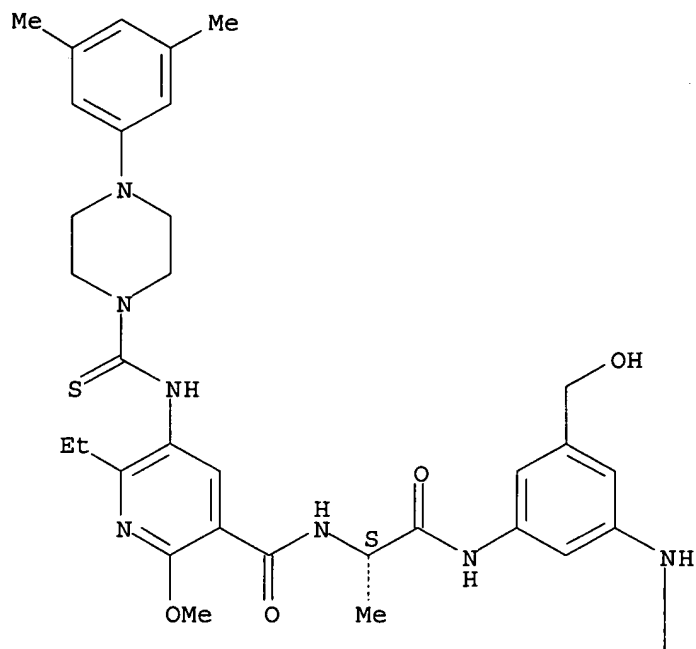
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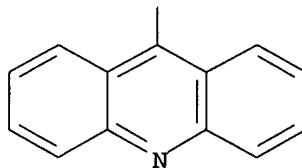
RN 600153-88-6 CAPLUS
 CN 3-Pyridinecarboxamide, N-[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]-5-[[[4-(3,5-dimethylphenyl)-1-piperazinyl]thioxomethyl]amino]-6-ethyl-2-methoxy- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

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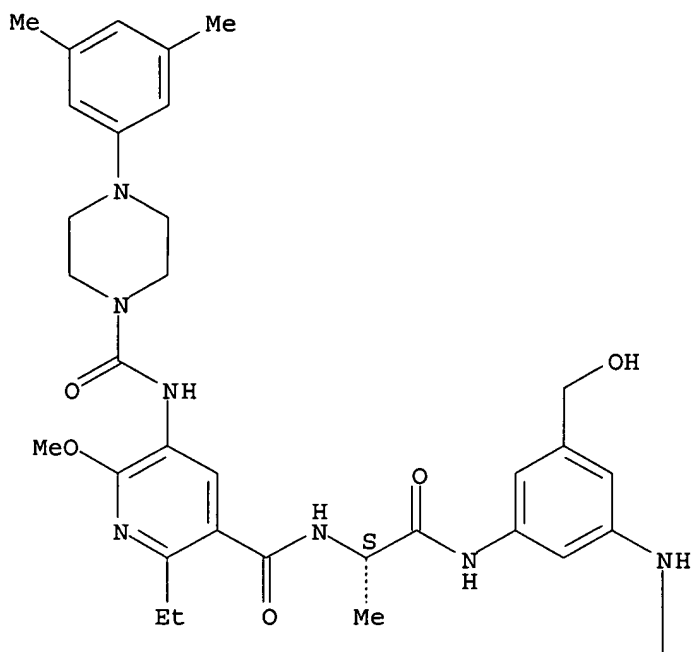


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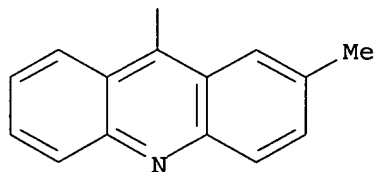
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Absolute stereochemistry.

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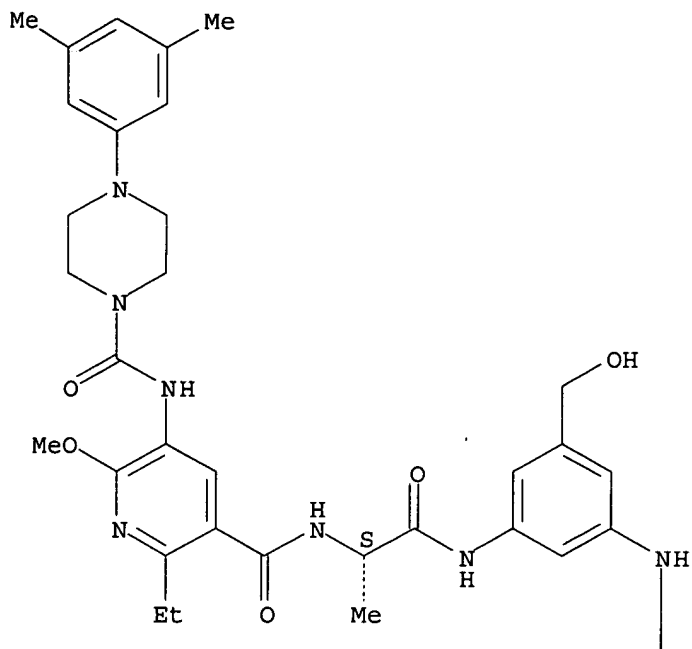


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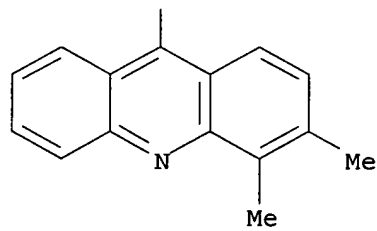
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Absolute stereochemistry.

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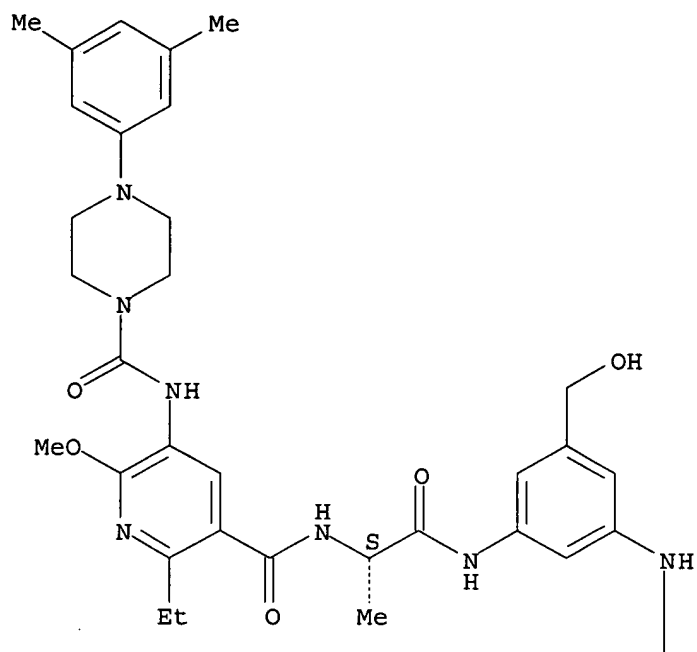


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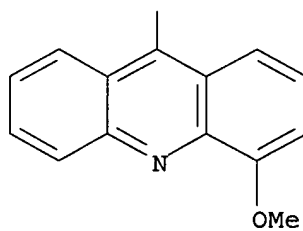
CN 1-Piperazinecarboxamide, 4-(3,5-dimethylphenyl)-N-[6-ethyl-5-[[[(1S)-2-[[3-(hydroxymethyl)-5-[(4-methoxy-9-acridinyl)amino]phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-2-methoxy-3-pyridinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

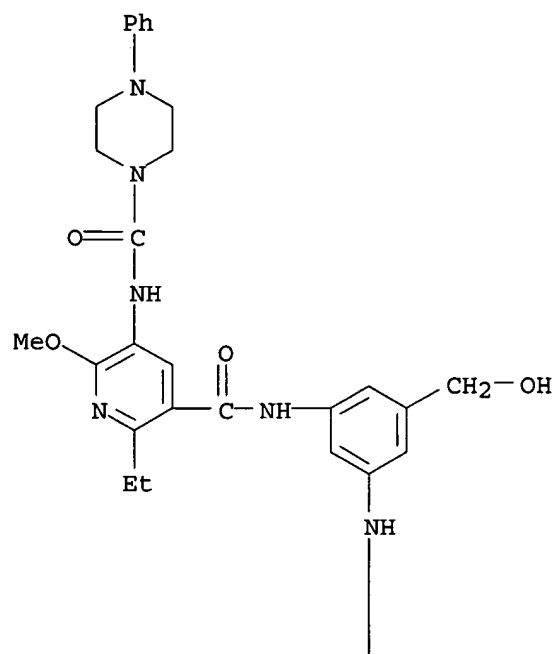


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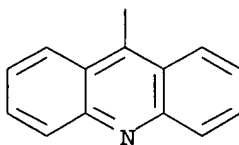


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PAGE 1-A

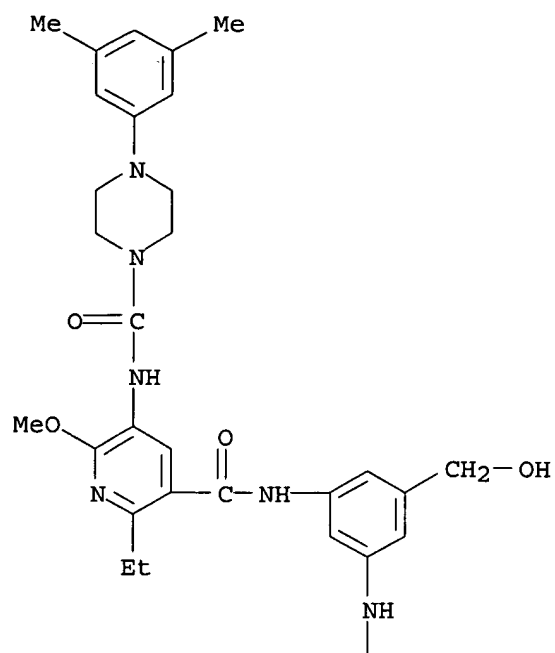


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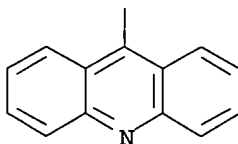


RN 600153-94-4 CAPLUS
CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)

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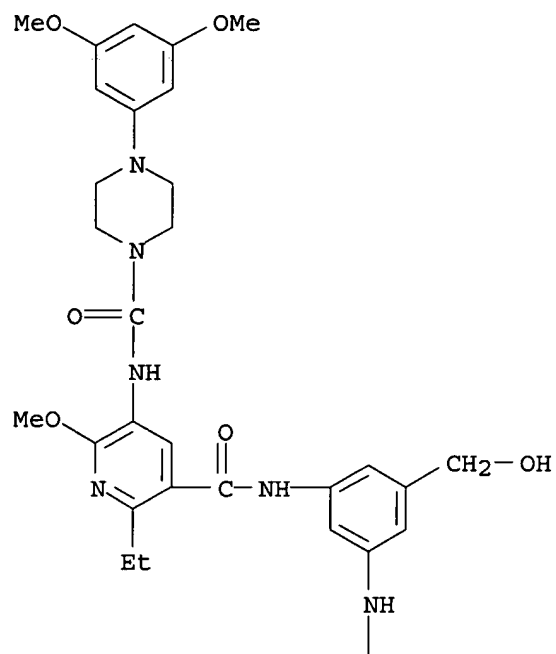


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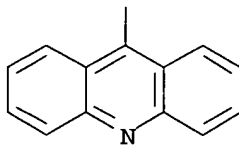


RN 600153-95-5 CAPLUS
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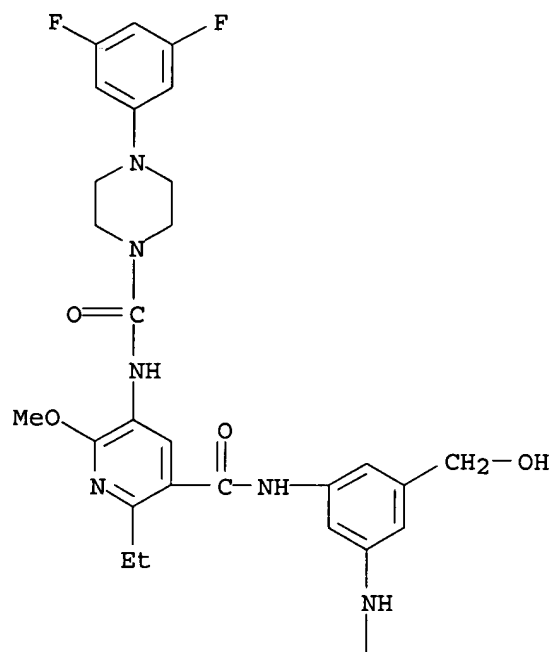


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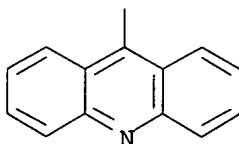


RN 600153-96-6 CAPLUS
 CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

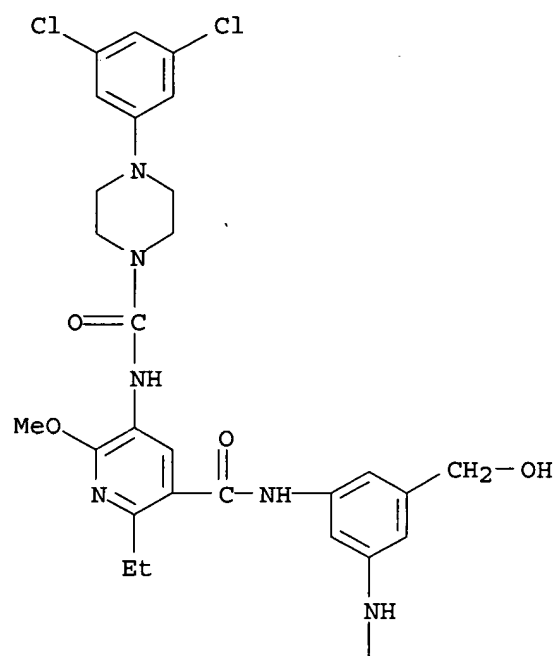


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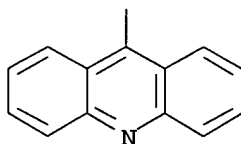


RN 600153-97-7 CAPLUS
 CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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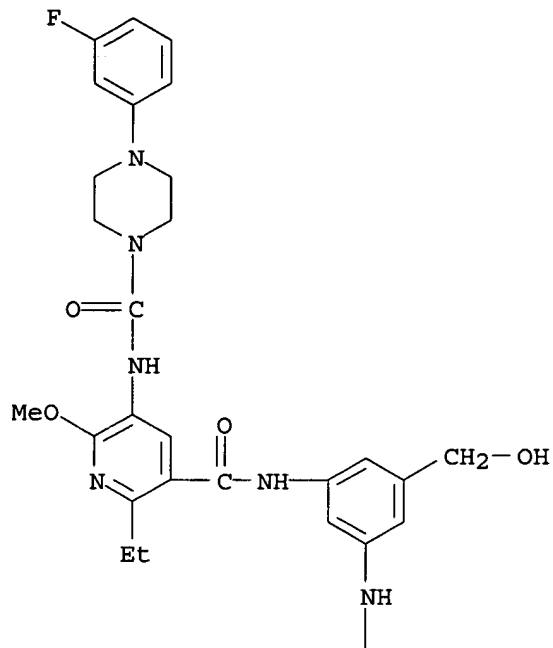


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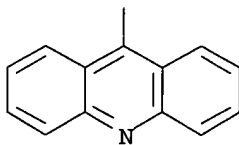


RN 600153-98-8 CAPLUS
CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3-fluorophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

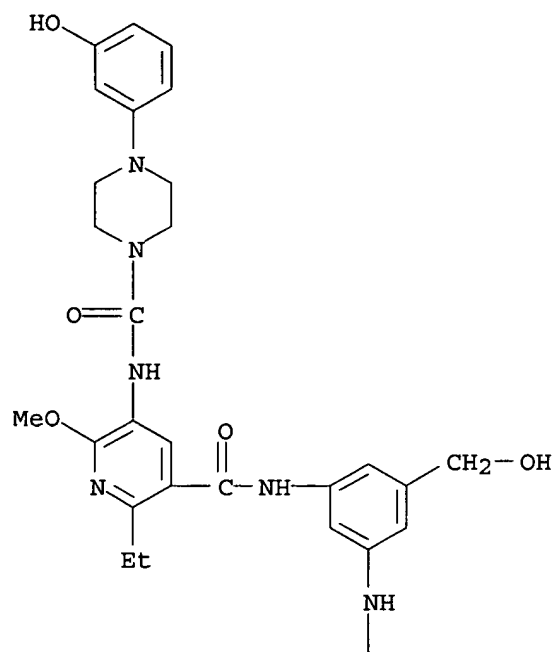


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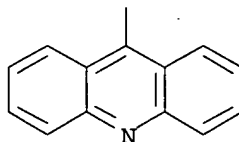


RN 600153-99-9 CAPLUS
CN 1-Piperazinecarboxamide, N-[5-[[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3-hydroxyphenyl)-(9CI) (CA INDEX NAME)

PAGE 1-A

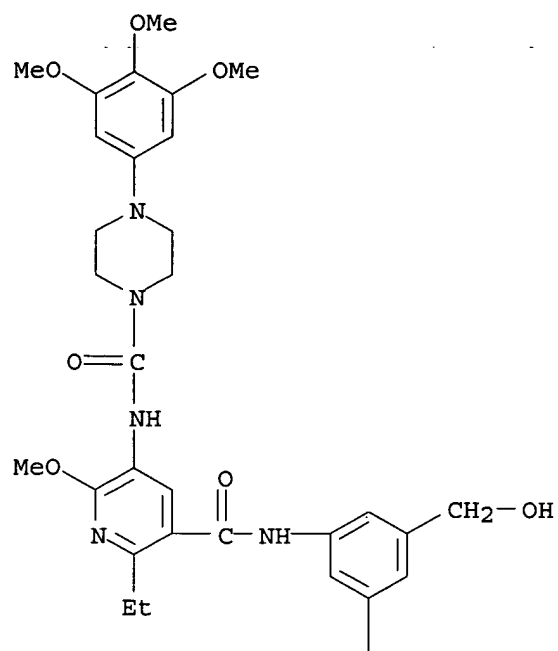


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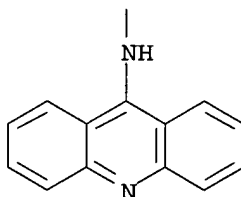


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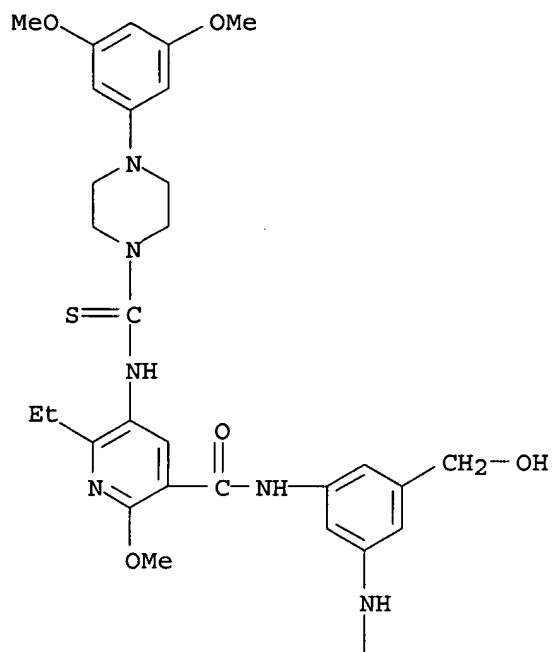
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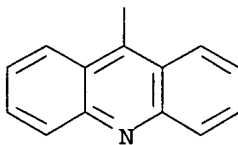
RN 600154-01-6 CAPLUS

CN 3-Pyridinecarboxamide, N-[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]-5-
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 methoxy- (9CI) (CA INDEX NAME)

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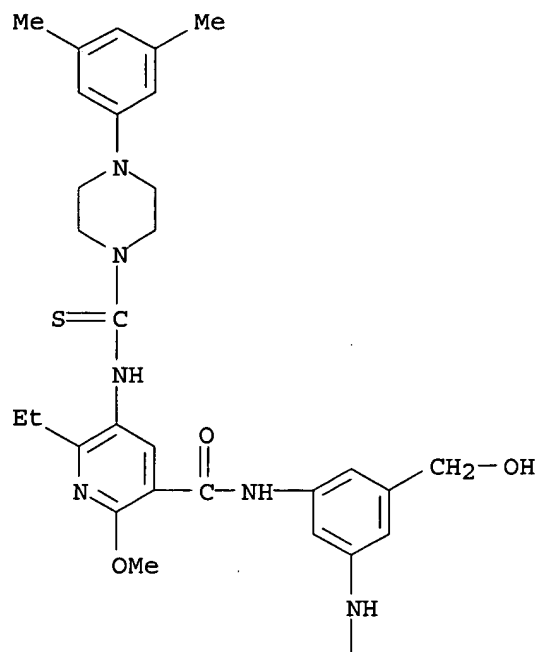


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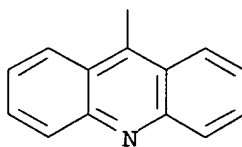


RN 600154-02-7 CAPLUS
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methoxy- (9CI) (CA INDEX NAME)

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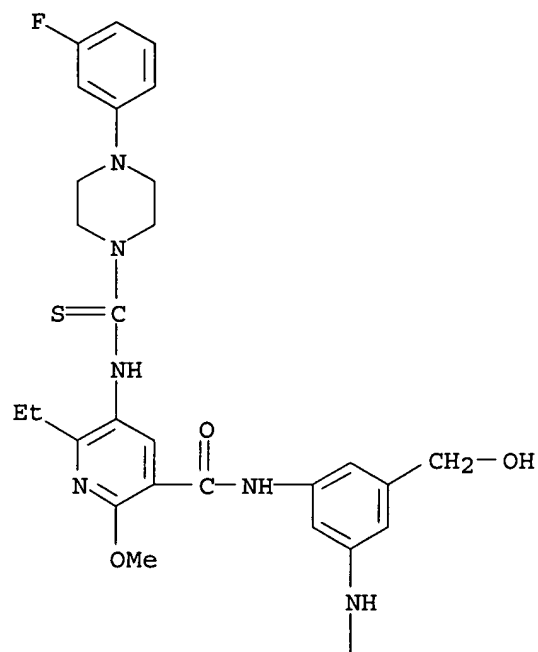


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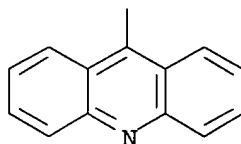


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PAGE 1-A

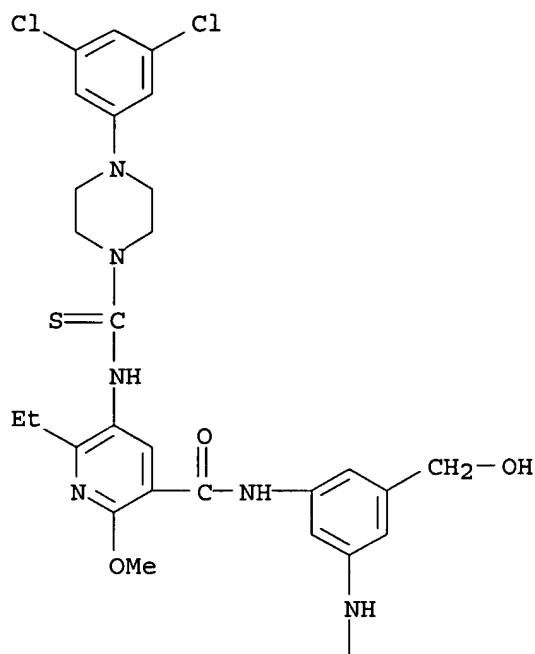


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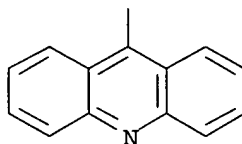


RN 600154-05-0 CAPLUS
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[[[4-(3,5-dichlorophenyl)-1-piperazinyl]thioxomethyl]amino]-6-ethyl-2-
methoxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB This study examined the pharmacokinetic disposition of SJ-8029, a novel anticancer agent possessing microtubule and topoisomerase inhibiting activities, in mice, rats, rabbits and dogs after i.v. administration. The serum concentration-time curves of SJ-8029 were best described by tri-exponential equations in all these animal species. The mean Cl, Vss and t1/2 were 0.3 l/h, 0.11 and 63.2 min in mice, 1.5 l/h, 1.61 and 247.7 min in rats, 13.8 l/h, 39.61 and 245.9 min in rabbits, and 29.2 l/h, 44.61 and 117.4 min in dogs, resp. Based on animal data, the pharmacokinetics of SJ-8029 were predicted in humans using simple allometry and also by several species-invariant time transformations using kallynochron, apolysichron and dienetichron times. The human pharmacokinetic parameters of Cl, Vss and t1/2 predicted by the simple allometry and various species-invariant time methods were 50.4-145.0 l/h, 369.0-579.81 and 242.0-1448.3 min, resp. These preliminary parameter values may be useful in designing early pharmacokinetic studies of SJ-8029 in humans.

AN 2003:609358 CAPLUS

DN 140:35281

TI Pharmacokinetic scaling of SJ-8029, a novel anticancer agent possessing microtubule and topoisomerase inhibiting activities, by species-invariant time methods

AU Shin, Beom S.; Kim, Dong H.; Cho, Chang Y.; Park, Si K.; Chung, Sun G.; Cho, Eui H.; Lee, Sun H.; Joo, Jeong H.; Kwon, Ho S.; Lee, Kang C.; Yoo, Sun D.

CS College of Pharmacy, Sungkyunkwan University, Suwon, 440-746, S. Korea

SO Biopharmaceutics & Drug Disposition (2003), 24(5), 191-197
CODEN: BDDID8; ISSN: 0142-2782

PB John Wiley & Sons Ltd.

DT Journal

LA English

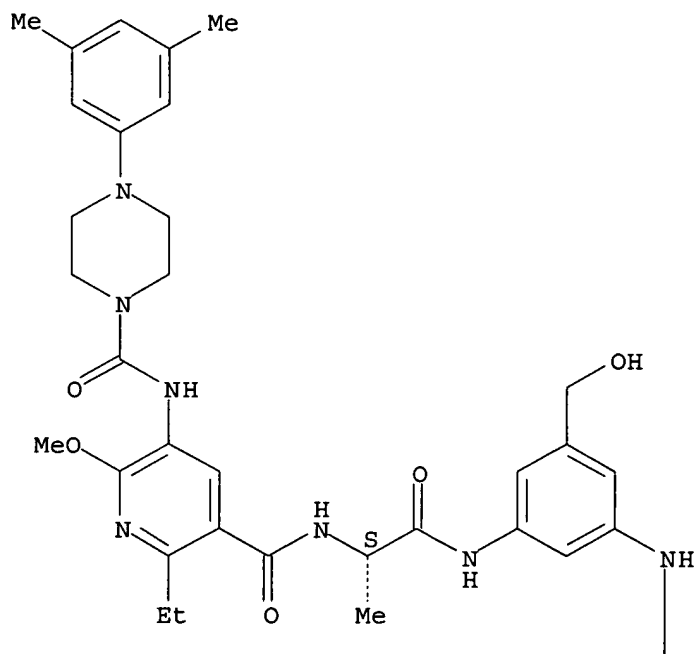
IT 537048-98-9, SJ 8029
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacokinetic scaling of SJ-8029, novel anticancer agent possessing microtubule and topoisomerase inhibiting activities in different species)

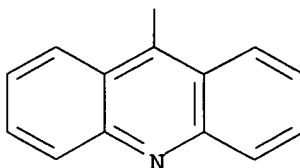
RN 537048-98-9 CAPLUS

CN 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN

AB This report describes a simple and sensitive isocratic high-performance liquid chromatog. with UV detection for the anal. of a novel antineoplastic agent, SJ-8029 in rat serum. The anal. utilized a Merck Lichrocart RP-8 anal. column and a mobile phase consisting of acetonitrile: 0.1% triethylamine in deionized water (55:45, volume/volume). SJ-8029 was extracted from serum by one-step extraction with tert-Bu Me ether. SJ-8029 was eluted at 12.7 min at a mobile phase flow rate of 1 mL/min. The standard curve was linear ($r^2 = 0.9999$) over the concentration range of 5-10,000 ng/mL. The extraction

recovery for SJ-8029 was >89.4% and the intra- and inter-day assay variability of SJ-8029 ranged from 3.9-18.8% and 4.5-18.4%, resp. The LOD and LOQ were 1 and 5 ng/mL, resp., using a serum sample volume of 100 μ L. The developed assay method was applied to a pharmacokinetic study after i.v. injection of SJ-8029 to rats at a dose of 8 mg/kg. In addition, the stability of SJ-8029 was assessed in serum as a function of temperature, and

the

formation of degradation products M1, M2 and M3 was determined by HPLC with fluorescence detection. Further anal. by LC/MS/MS showed that SJ-8029 was degraded in serum to microtubule and topoisomerase inhibiting components.

AN 2002:832228 CAPLUS

DN 139:17016

TI Analysis and stability of a novel anticancer agent, SJ-8029, possessing microtubule and topoisomerase inhibiting activities

AU Cho, Chang Y.; Shin, Beom S.; Kim, Dong H.; Joo, Jeong H.; Kwon, Ho S.; Lee, Sun H.; Park, Si K.; Chung, Sun G.; Cho, Eui H.; Lee, Hye S.; Yoo, Sun D.

CS College of Pharmacy, Sungkyunkwan University, Suwon, 440-746, S. Korea

SO Analytical Letters (2002), 35(13), 2133-2143

CODEN: ANALBP; ISSN: 0003-2719

PB Marcel Dekker, Inc.

DT Journal

LA English

IT 537048-98-9, SJ 8029

RL: ANT (Analyte); PKT (Pharmacokinetics); ANST (Analytical study); BIOL (Biological study)

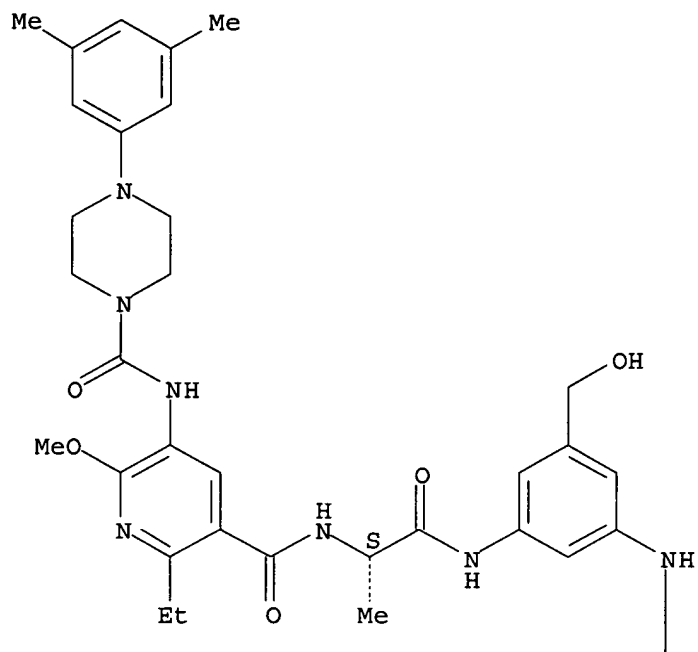
(anal. and pharmacokinetics of SJ-8029 in rat serum using HPLC)

RN 537048-98-9 CAPLUS

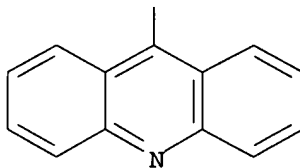
CN 1-Piperazinecarboxamide, N-[5-[[[(1S)-2-[[3-(9-acridinylamino)-5-(hydroxymethyl)phenyl]amino]-1-methyl-2-oxoethyl]amino]carbonyl]-6-ethyl-2-methoxy-3-pyridinyl]-4-(3,5-dimethylphenyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT